

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 08/04/2015 09:55 AM
Cytometer Baseline: 04/20/2015 11:37 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125357	0	3.03	125112	2.96
Blue	F	SSC	125000	123265	-2	3.43	124044	3.10
Blue	E	FITC	17998	17552	-3	2.64	992	8.80
Blue	D	PE	23234	22778	-2	2.20	1027	8.16
Blue	B	PerCP-Cy5-5	69571	69346	-1	2.93	1821	13.33
Blue	A	PE-Cy7	77815	76817	-2	3.91	1005	24.51
Red	C	APC	65936	65169	-2	2.53	3678	7.93
Red	A	APC-Cy7	100669	98241	-3	2.52	1942	7.76
Violet	B	V450	10405	9827	-6	3.76	613	8.58
Violet	A	V500	47250	45711	-4	3.40	2583	6.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19034	13.13	606	27	N/A	N/A	Pass
Blue	F	SSC	61439	2.08	514	25	N/A	N/A	Pass
Blue	E	FITC	108	33.84	530	15	0.0259	70	Pass
Blue	D	PE	210	24.85	522	15	0.1734	146	Pass
Blue	B	PerCP-Cy5-5	220	38.85	609	19	0.0109	0	Pass
Blue	A	PE-Cy7	74	101.19	665	19	0.0155	18	Pass
Red	C	APC	344	26.14	583	5	0.0224	47	Pass
Red	A	APC-Cy7	122	37.40	562	3	0.0050	781	Pass
Violet	B	V450	65	46.13	467	17	0.0433	2236	Pass
Violet	A	V500	168	24.18	508	20	0.0133	559	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.65	-31.53	0.72
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.18
Red	15.88	13.07 - 19.61	N/A	N/A	32.04	32.23	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9878

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments